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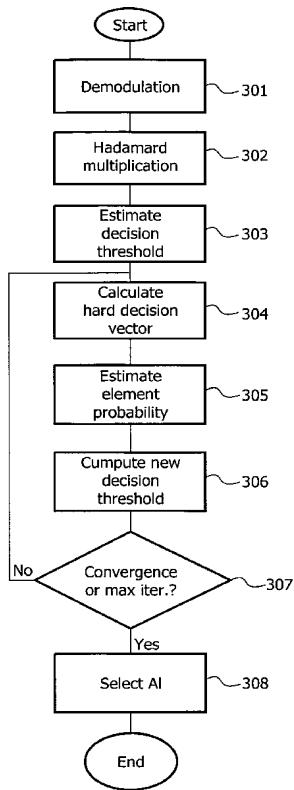
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(54) Title: DECODING METHOD AND DEVICE

(57) Abstract: A symbol sequence in a received DS-CDMA signal is decoded in an efficient manner in order to reduce the processing needs in a receiver when, e.g., processing acquisition indicators (AI) in a UMTS system. The decoding comprises iterative calculation of a hard-decision vector, using a decision threshold having a value based on the probability of each ternary alphabet element of each symbol in the hard-decision vector.



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